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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/661,797	09/12/2003	Shinji Suzuki	200A 3450	8370
3713 7590 06/28/2007 KODA & ANDROLIA 2029 CENTURY PARK EAST SUITE 1140 LOS ANGELES, CA 90067			EXAMINER	
			LAO, LUN S	
			ART UNIT	PAPER NUMBER
	,		2615	
	•			
		·	MAIL DATE	DELIVERY MODE
			06/28/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
•	10/661,797	SUZUKI, SHINJI			
Office Action Summary	Examiner	Art Unit			
	Lun-See Lao	2615			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on <u>05 A</u>	Responsive to communication(s) filed on <u>05 April 2007</u> .				
,—	,				
·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
<ul> <li>4)  Claim(s) 1 and 5 is/are pending in the application.</li> <li>4a) Of the above claim(s) is/are withdrawn from consideration.</li> <li>5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) 1 and 5 is/are rejected.</li> <li>7)  Claim(s) is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/or election requirement.</li> </ul>					
Application Papers					
9)☐ The specification is objected to by the Examine		1			
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachmont(a)	. •				
Attachment(s)  1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) Notice of Treitsreiness offices (170-032)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate			

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#### DETAILED ACTION

### Introduction

1. This action is response to the amendment filed on 04-05-2007. Claim 1 has been amended and claims 2-4 have been canceled and claim 5 has been added. Claims 1 and 5 are pending.

# Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maeda (JP 11-194798) in view of Cohen (US PAT. 7,123,731).

Consider Claim 1, Maeda discloses a multichannel reproducing apparatus in which audio signals a plurality of channels are processed, and by which processed audio signals of said plurality of channels are suppliable to loudspeakers respectively disposable for each one of said plurality of channels, said multichannel reproducing apparatus (Figs. 2-5) comprising:

a loudspeaker drive section (32) for driving said loudspeakers (51a-51f);

a test tone signal generating section (30) for generating a test tone signal used to measure a distance between said loudspeakers (based on the factory-shipments time

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and the speed of sound and see detailed description page 6 [0049]) and for supplying said test tone signal thus generated to one of said loudspeakers (51a-51f and see abstract);

a transmission time measuring section (33,37) for measuring a time period taken from a time when said test tone is generated by said test tone signal generating loudspeaker, in response to being supplied with said test tone signal, until a time when said test tone is received by other loudspeakers, thus obtaining a transmission time between loudspeakers (51a-51f and see detailed description page 3 [0026]-[0029]);

a listening position input section (33) for providing, when the loudspeakers include a pair of front loudspeakers (51a-51b) and a pair of rear loudspeakers (51d-51e), one or more selectable listening positions (33) on a line connecting a center point (33) between the pair of front loudspeakers (51a-51b) and the center point between the pair of rear loud speakers (51d-51e); and

a delay time control section (33,37) capable of delaying supply of the audio signals to each of the loudspeakers for a time that corresponds to a distance from a selected listing position to a position of each of the loudspeakers (51a-51f and see detailed description page 2 [0015]-[0016] and [0020]); but Maeda doe not explicitly teach a loudspeaker position calculating section for calculating a coordinate position of each one of said loudspeakers based upon said transmission time between loudspeakers.

However Cohen teaches a loudspeaker position calculating section for calculating a coordinate position of each one of said loudspeakers based upon said transmission

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time between loudspeakers (abstract; Figs. 1-4 and 8-13; column 4, line 59 to column 5, line 11; column 5, line 19 to column 6, line 55).

Therefore, it would have been obvious to one of the ordinary skill in the at the time the invention was made to combine the teaching of Cohen into Maeda so that the channel device taught by Meada could be able to more accurately determine the location of the speaker.

Consider claim 5 Mead teaches that the one or more selectable listing positions are provided to divide equally the line (see fig.4 and see detailed description page 5 [0053]).

Consider claim 5 Cohen teaches that the one or more selectable listing positions are provided to divide equally the line (see abstract; Figs. 1-4 and 8-13; column 4, line 59 to column 5, line 11; column 5, line 19 to column 6, line 68).

## Response to Arguments

4. Applicant's arguments with respect to claim 1 and 5 have been considered but are moot in view of the new ground(s) of rejection.

### Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Okaya (US PAT. 5,333,202) is cited to show other related multichannel reproducing apparatus.
- 7. Any response to this action should be mailed to:

Mail Stop \_\_\_\_\_(explanation, e.g., Amendment or After-final, etc.)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Facsimile responses should be faxed to:

(571) 273-8300

Hand-delivered responses should be brought to:

Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lao, Lun-See whose telephone number is (571) 272-7501. The examiner can normally be reached on Monday-Friday from 8:00 to 5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chin Vivian, can be reached on (571) 272-7848.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 whose telephone number is (571) 272-2600.

Lao, Lun-See L. S. Patent Examiner US Patent and Trademark Office Knox 571-272-7501 Date 06-12-2007

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